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What is claimed is:

1. An antibody which binds to a cellular chemokine receptor protein essential for immunodeficiency virus entry into a cell wherein said chemokine receptor protein is ~~not~~ ~~CD4~~ CXCR4.
2. The antibody of claim 1, wherein said immunodeficiency virus is selected from the group consisting of HIV-1, HIV-2 and SIV.
3. The antibody of claim 1, wherein said protein is a cellular protein which is an HIV receptor protein.
4. The antibody of claim 1, wherein said protein is a cellular cofactor for a cellular protein which is a HIV receptor protein.

- ~~[5. The antibody of claim 4, wherein said protein is selected from the group consisting of CXCR4 and CCR5.]~~
- ~~[6. The antibody of claim 5, wherein said protein is CXCR4.]~~
7. The antibody of claim 1, wherein said antibody is selected from the group consisting of a monoclonal antibody and a synthetic antibody.
8. The antibody of claim 7, wherein said antibody is a monoclonal antibody.
9. The antibody of claim 8, wherein said antibody is MAB 12G5.